

CLAIM AMENDMENTS

1 1. (currently amended) A sleeve heater comprising:
2 an electrical and generally cylindrical heater coil
3 centered on an axis and shaped to fit over a part to be heated;
4 a radially compressible and generally cylindrical inner
5 sleeve snugly coaxially externally surrounding the heater coil,
6 [[and]] radially inwardly bearing on the coil, and having an end
7 formed with a radially inwardly projecting rim; and
8 a radially generally inextensible and generally
9 cylindrical outer sleeve fitted coaxially over the inner sleeve and
10 having an inner surface bearing tightly radially inward on the
11 inner sleeve and radially compressing the inner sleeve and the coil
12 inward.

1 2. (original) The electrical sleeve heater defined in
2 claim 1 wherein the inner sleeve is formed with at least one
3 axially open and extending slot.

1 3. (original) The electrical sleeve heater defined in
2 claim 1 wherein the inner sleeve is formed with two axially
3 extending and axially oppositely open slots.

1 4. (original) The electrical sleeve heater defined in
2 claim 3 wherein the slots are angularly equispaced.

1 5. (original) The electrical sleeve heater defined in
2 claim 1 wherein the inner sleeve has an axially outwardly flared
3 outer surface engageable with an end of the outer sleeve.

1 6. (original) The electrical sleeve heater defined in
2 claim 5 wherein the outer surface is about 10 mm long.

1 7. (original) The electrical sleeve heater defined in
2 claim 1 wherein the outer sleeve has an axially tapered inner
3 surface axially engageable with an end of the inner sleeve.

1 8. (original) The electrical sleeve heater defined in
2 claim 7 wherein the tapered inner surface is about 10 mm long.

9. (canceled)

1 10. (original) The electrical sleeve heater defined in
2 claim 1 wherein the outer sleeve has a radially inwardly projecting
3 rim.

1 11. (currently amended) ~~The electrical sleeve heater~~
2 ~~defined in claim 1 wherein the inner sleeve has~~ A sleeve heater
3 comprising:

4 an electrical and generally cylindrical heater coil
5 centered on an axis and shaped to fit over a part to be heated;

6 a radially compressible and generally cylindrical inner
7 sleeve snugly coaxially externally surrounding the heater coil,
8 radially inwardly bearing on the coil, and having an axially
9 outwardly projecting tab; and

10 a radially generally inextensible and generally
11 cylindrical outer sleeve fitted coaxially over the inner sleeve and
12 having an inner surface bearing tightly radially inward on the
13 inner sleeve and radially compressing the inner sleeve and the coil
14 inward, [[and]] the outer sleeve [[is]] being formed with a cutout
15 in which the tab fits when the sleeves are fitted together; and

16 a radially generally inextensible and generally
17 cylindrical outer sleeve fitted coaxially over the inner sleeve and
18 having an inner surface bearing tightly radially inward on the
19 inner sleeve and radially compressing the inner sleeve and the coil
20 inward.

1 12. (currently amended) ~~The electrical sleeve heater~~
2 ~~defined in claim 1 wherein the inner sleeve is~~ A sleeve heater
3 comprising:

4 an electrical and generally cylindrical heater coil
5 centered on an axis and shaped to fit over a part to be heated;
6 a radially compressible and generally cylindrical inner
7 sleeve snugly coaxially externally surrounding the heater coil,
8 radially inwardly bearing on the coil, and formed with a radially
9 throughgoing [[holes]] hole, the coil having ends extending through
10 the hole; and
11 a radially generally inextensible and generally
12 cylindrical outer sleeve fitted coaxially over the inner sleeve and
13 having an inner surface bearing tightly radially inward on the
14 inner sleeve and radially compressing the inner sleeve and the coil
15 inward.

1 13. (original) The electrical sleeve heater defined in
2 claim 1 wherein both sleeves are of metal.

1 14. (original) The electrical sleeve heater defined in
2 claim 1 wherein the inner sleeve has an outside diameter and the
3 outer sleeve has an inside diameter that is smaller than the inner-
4 sleeve outside diameter, whereby when the outer sleeve is fitted
5 over the inner sleeve it radially compresses the inner sleeve.

1 15. (new) The electrical sleeve heater defined in claim
2 11 wherein the inner sleeve is formed with at least one axially
3 open and extending slot.

1 16. (new) The electrical sleeve heater defined in claim
2 11 wherein the inner sleeve has an axially outwardly flared outer
3 surface engageable with an end of the outer sleeve.

1 17. (new) The electrical sleeve heater defined in claim
2 11 wherein the outer sleeve has an axially tapered inner surface
3 axially engageable with an end of the inner sleeve.

1 18. (new) The electrical sleeve heater defined in claim
2 12 wherein the inner sleeve is formed with at least one axially
3 open and extending slot.

1 19. (new) The electrical sleeve heater defined in claim
2 12 wherein the inner sleeve has an axially outwardly flared outer
3 surface engageable with an end of the outer sleeve.

1 20. (new) The electrical sleeve heater defined in claim
2 12 wherein the outer sleeve has an axially tapered inner surface
3 axially engageable with an end of the inner sleeve.

1 21. (new) The electrical sleeve heater defined in claim
2 12 wherein the inner sleeve has an outside diameter and the outer
3 sleeve has an inside diameter that is smaller than the inner-sleeve
4 outside diameter, whereby when the outer sleeve is fitted over the
5 inner sleeve it radially compresses the inner sleeve.